

Method and system for grid-enabled virtual machines with distributed management of applications

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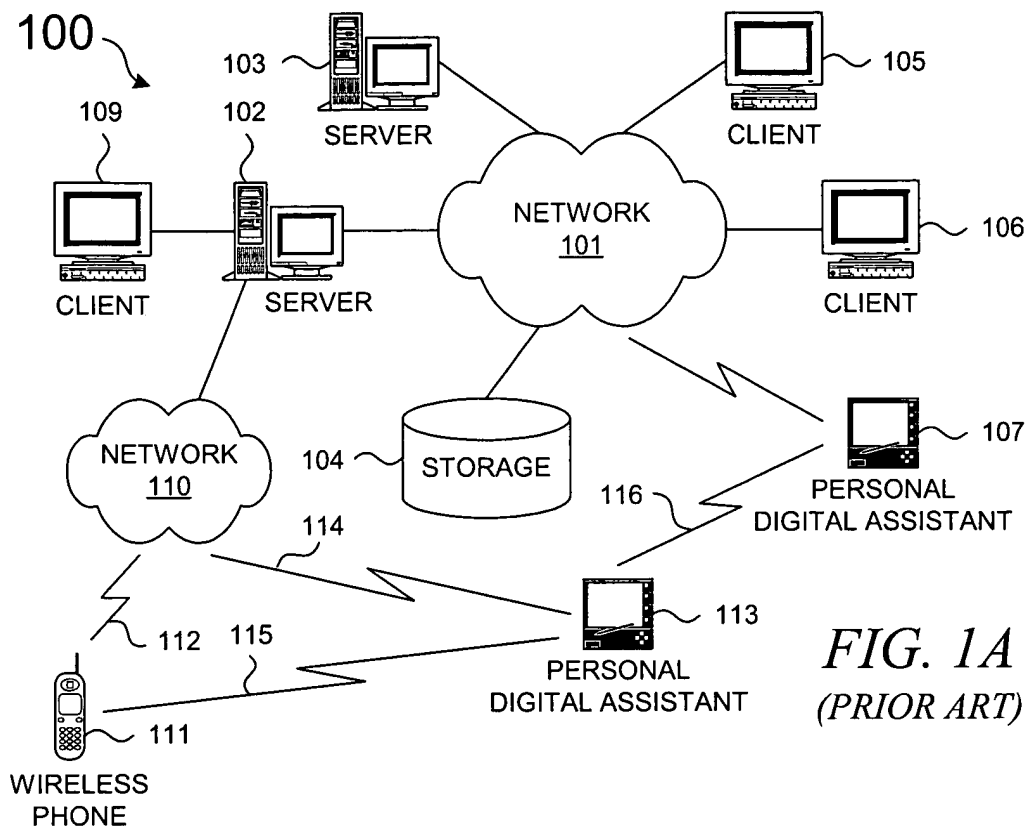


FIG. 1A  
(PRIOR ART)

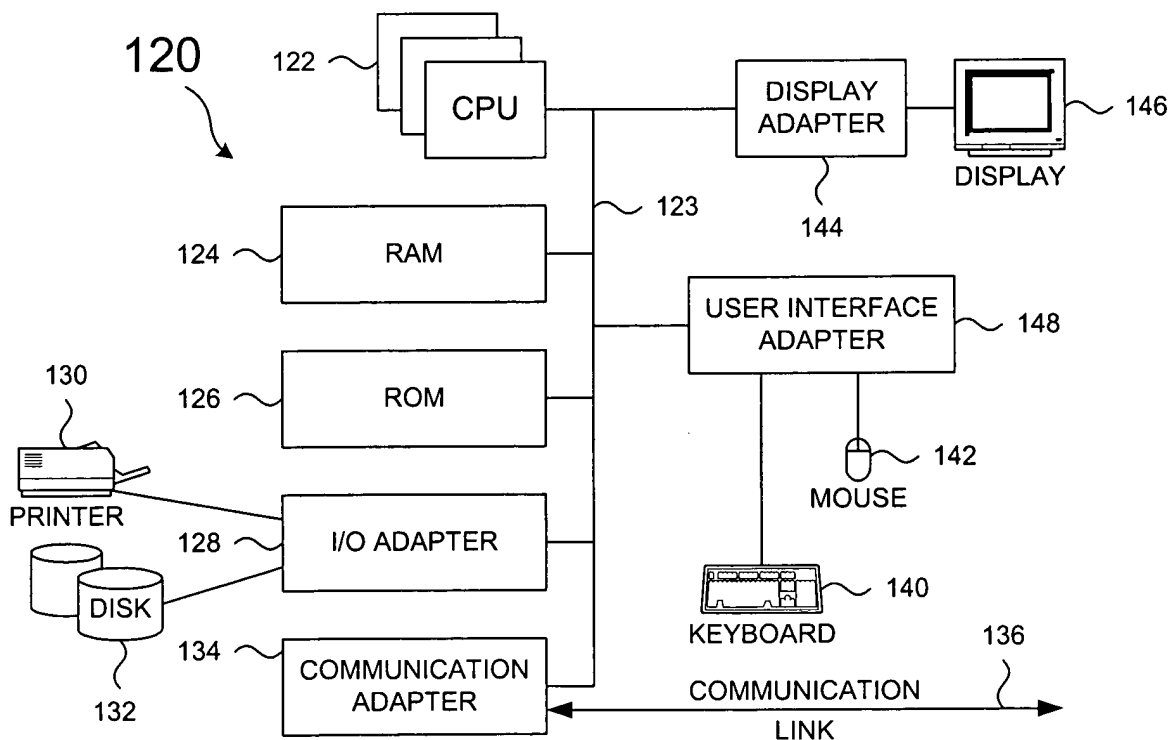


FIG. 1B  
(PRIOR ART)

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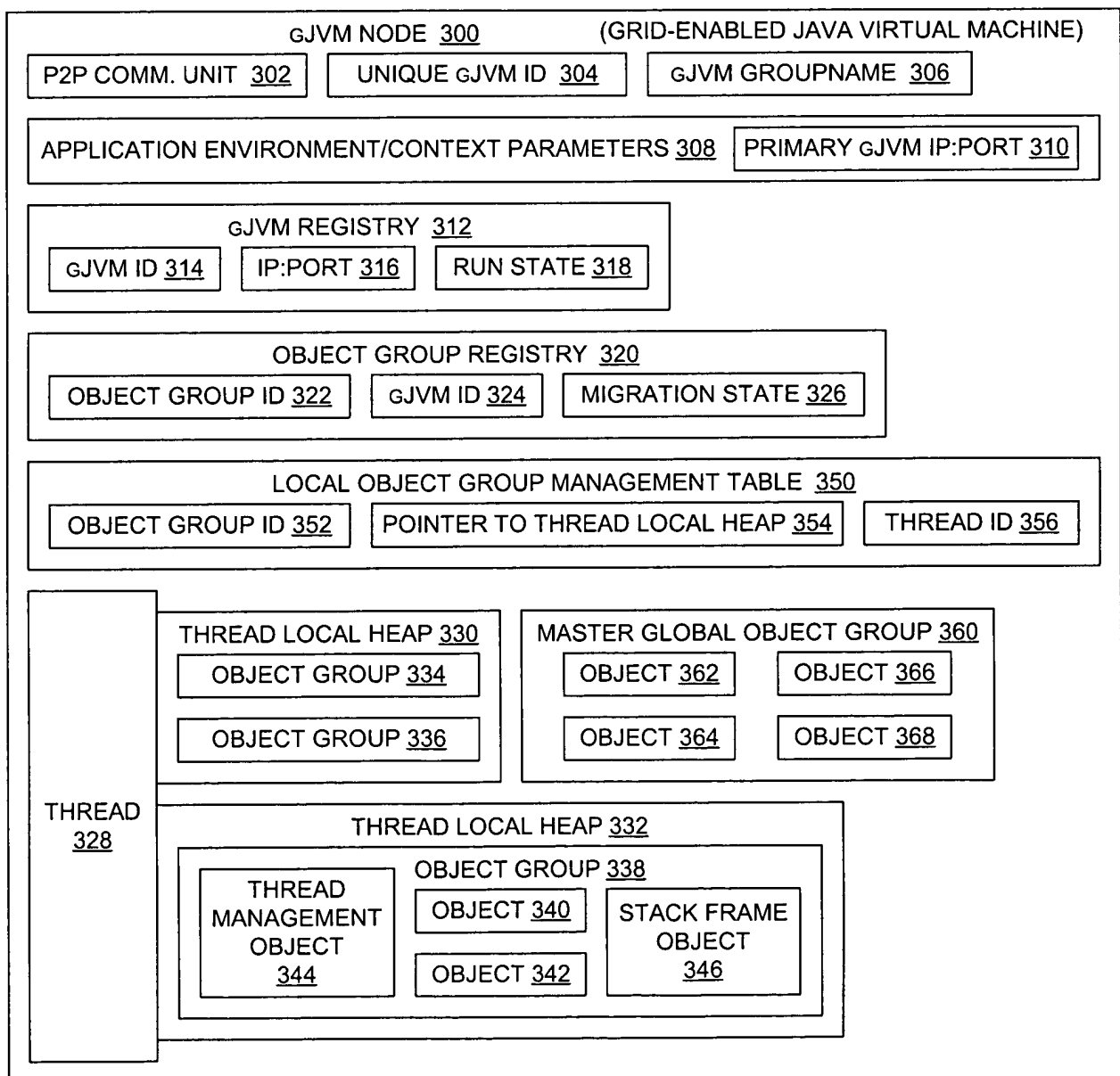
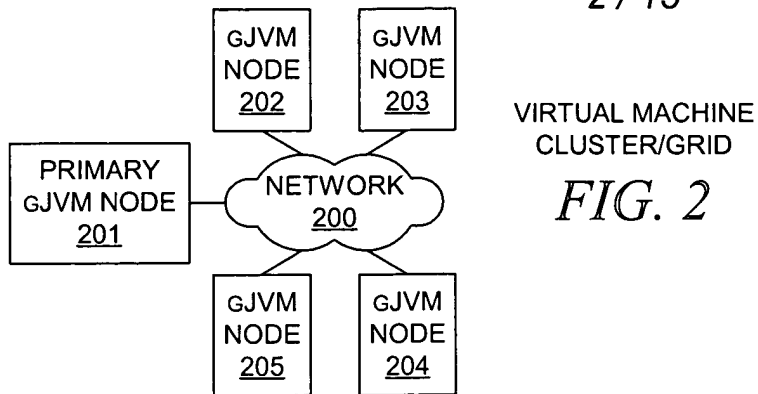
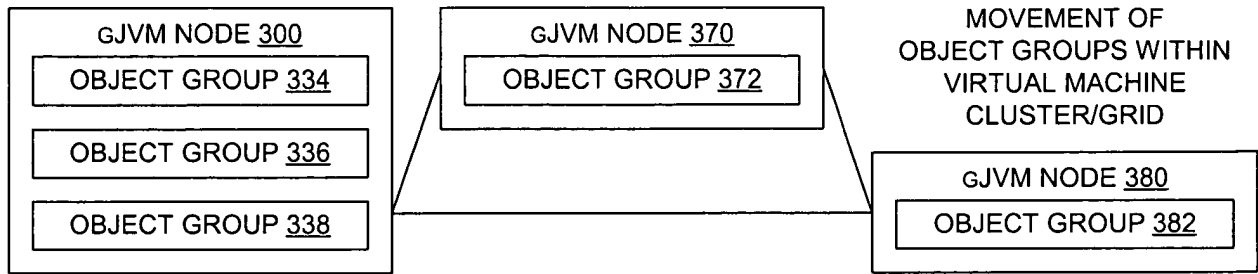
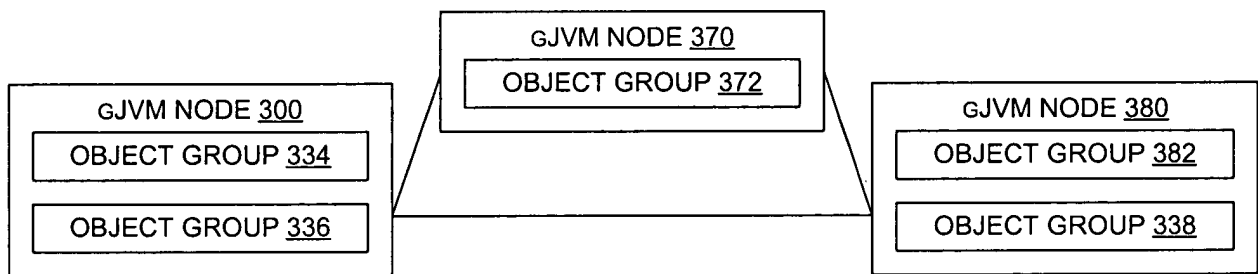
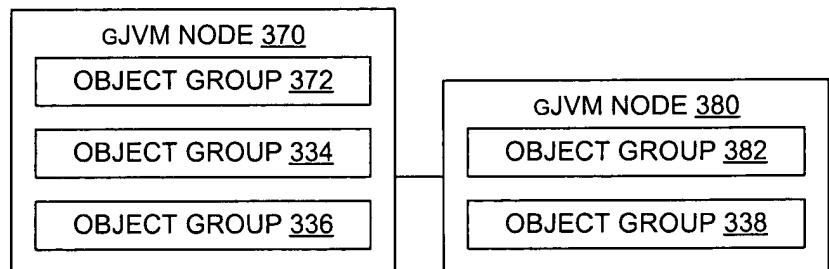


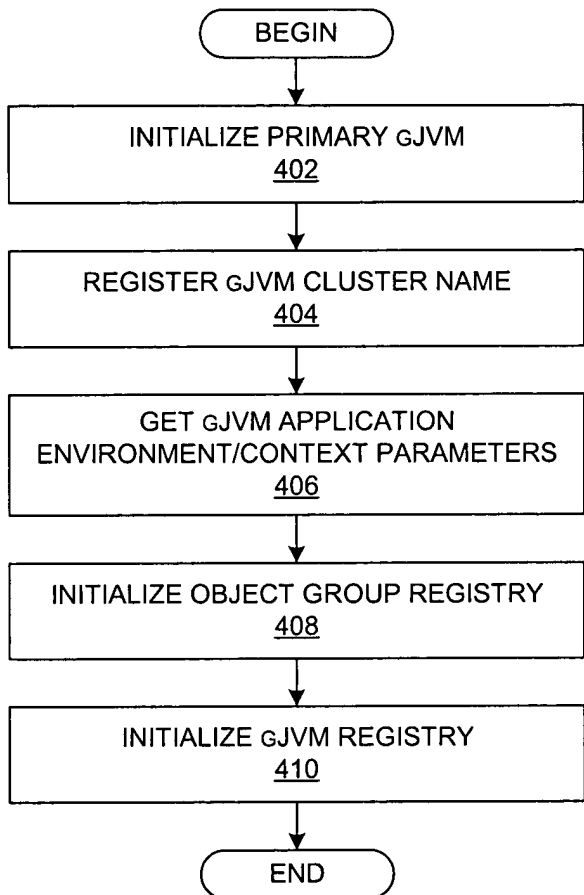
FIG. 3A

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*FIG. 3B**FIG. 3C**FIG. 3D*

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## INITIALIZATION OF PRIMARY GJVM NODE

*FIG. 4*

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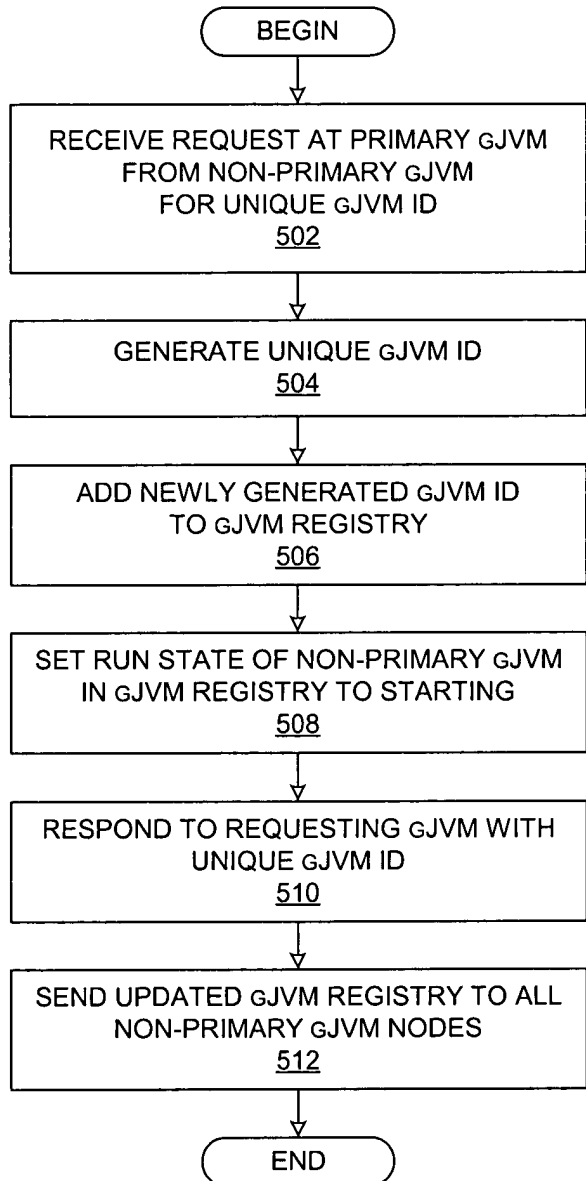
ALLOCATION OF UNIQUE ID TO  
NON-PRIMARY GJVM BY PRIMARY GJVM

FIG. 5A

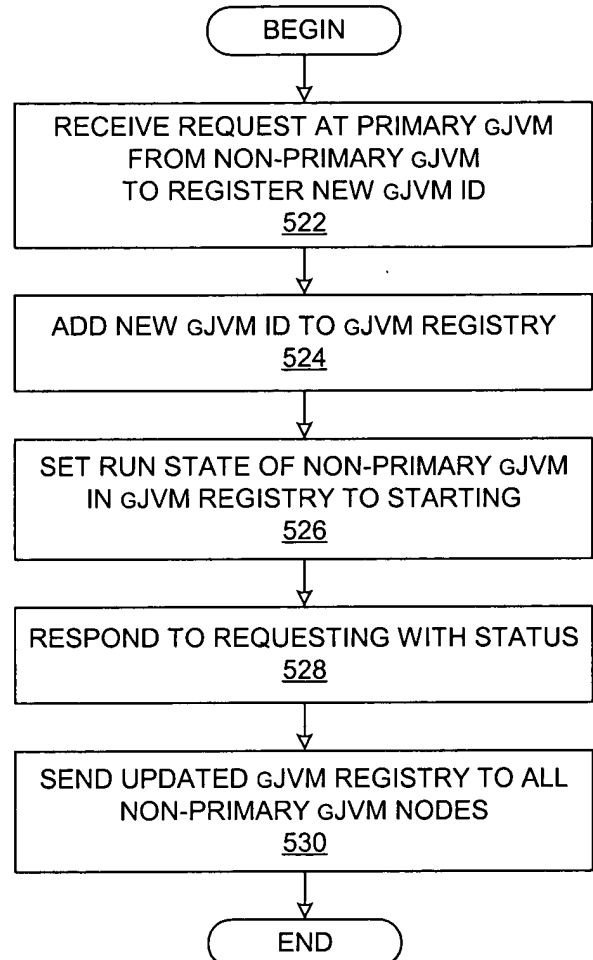
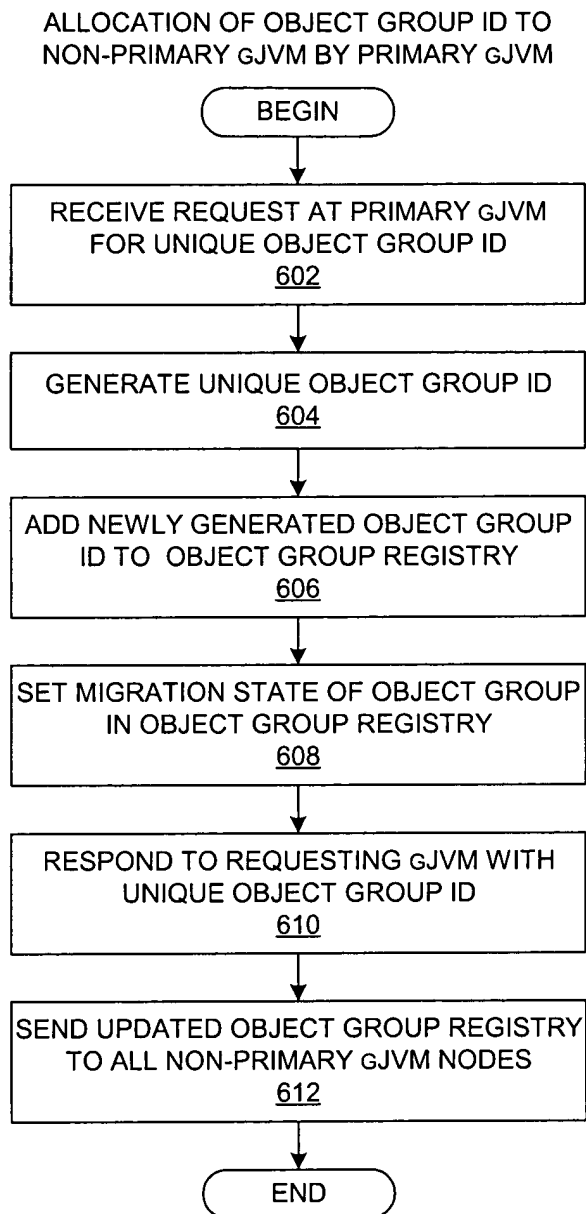
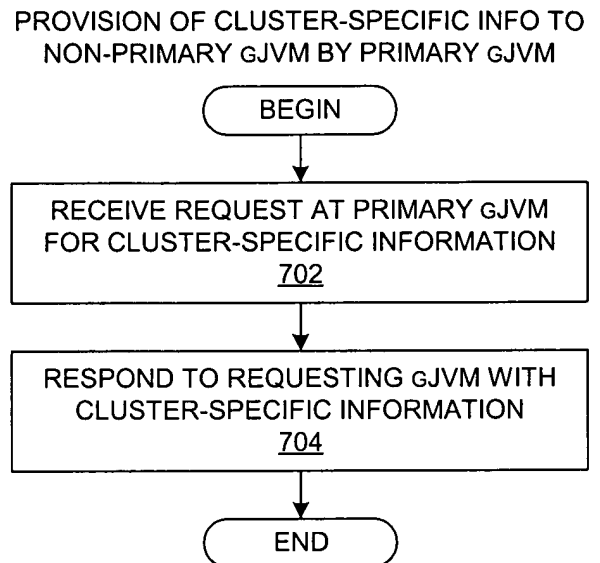
REGISTRATION OF UNIQUE ID FOR  
NON-PRIMARY GJVM BY PRIMARY GJVM

FIG. 5B

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*FIG. 6**FIG. 7*

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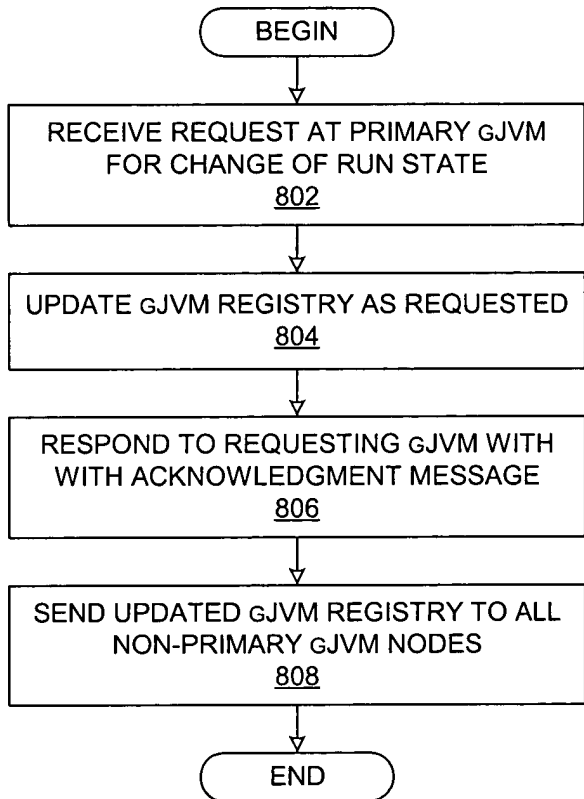
CHANGE OF RUN STATE BY  
NON-PRIMARY GJVM AT PRIMARY GJVM

FIG. 8

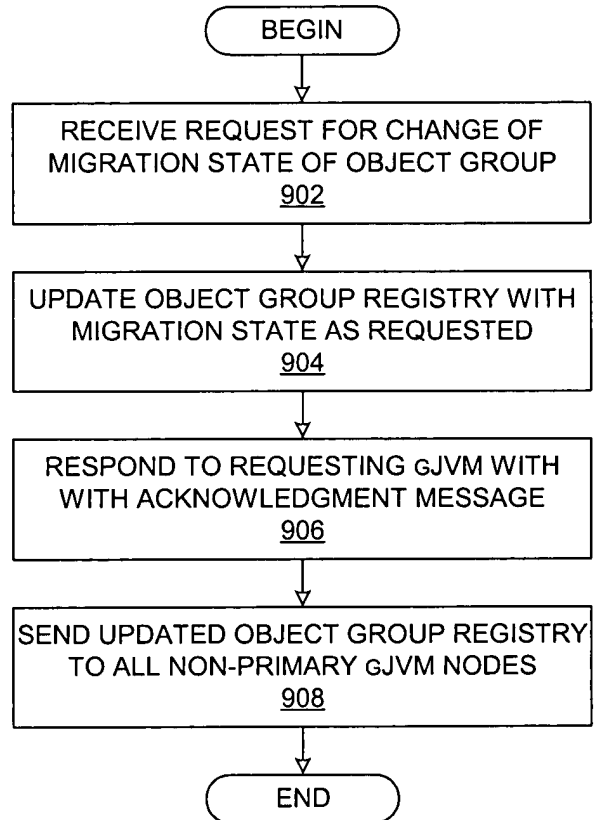
CHANGE OF OBJECT GROUP MIGRATION  
STATE BY NON-PRIMARY GJVM  
AT PRIMARY GJVM

FIG. 9

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## INITIALIZATION OF NON-PRIMARY GJVM NODE

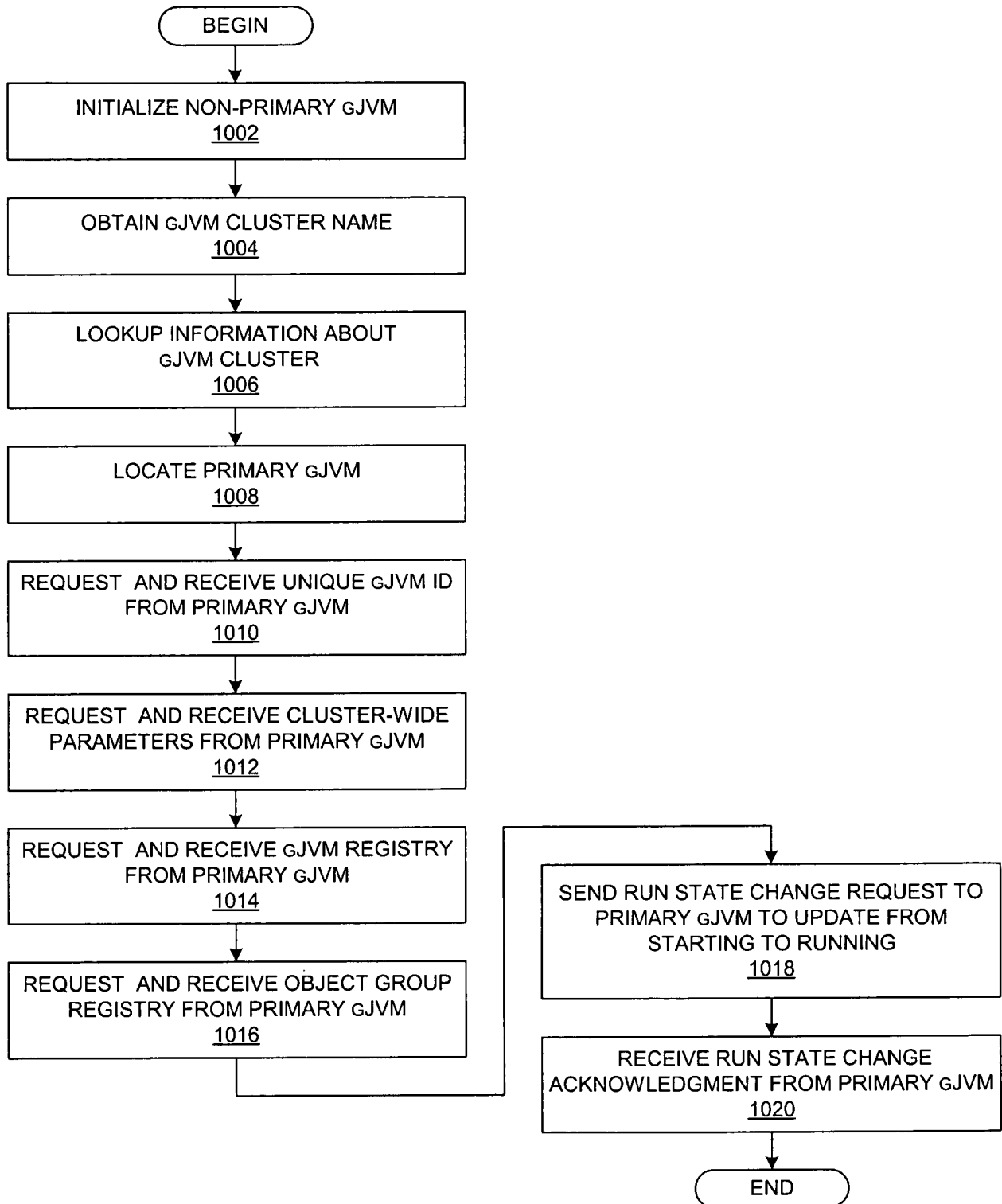


FIG. 10



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## THREAD CONSTRUCTION IN gJVM NODE

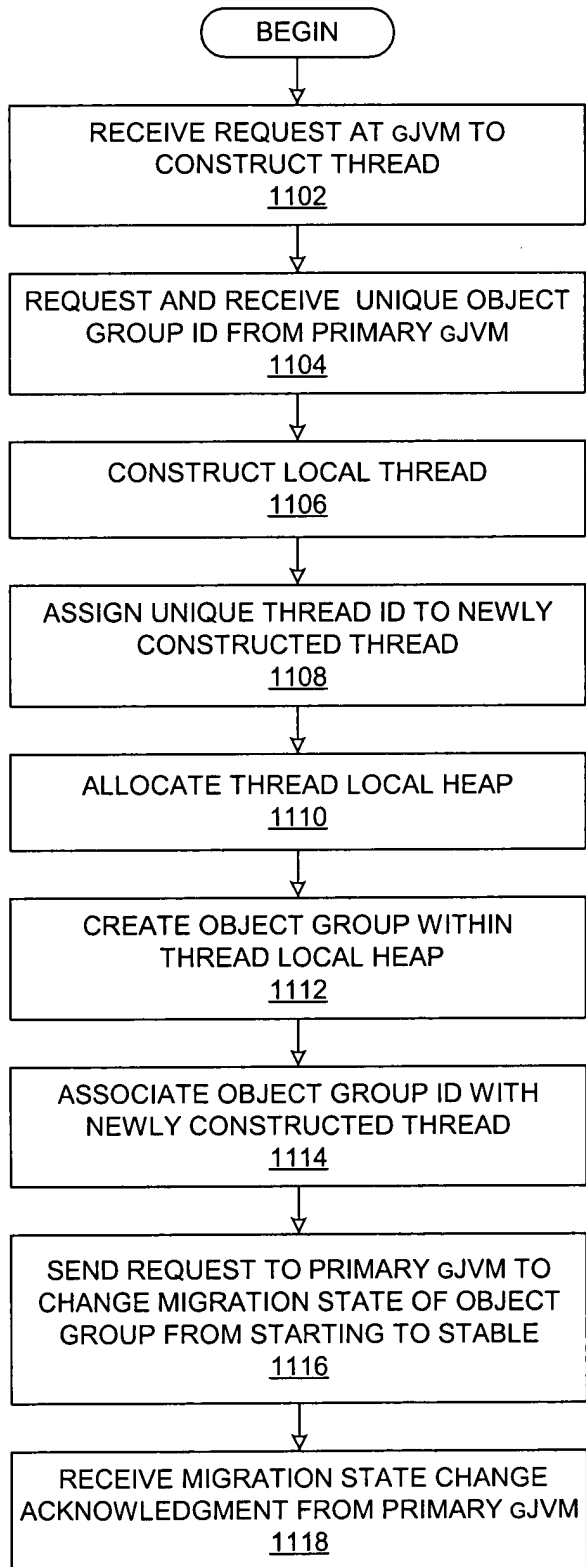


FIG. 12

## THREAD DESTRUCTION IN gJVM NODE

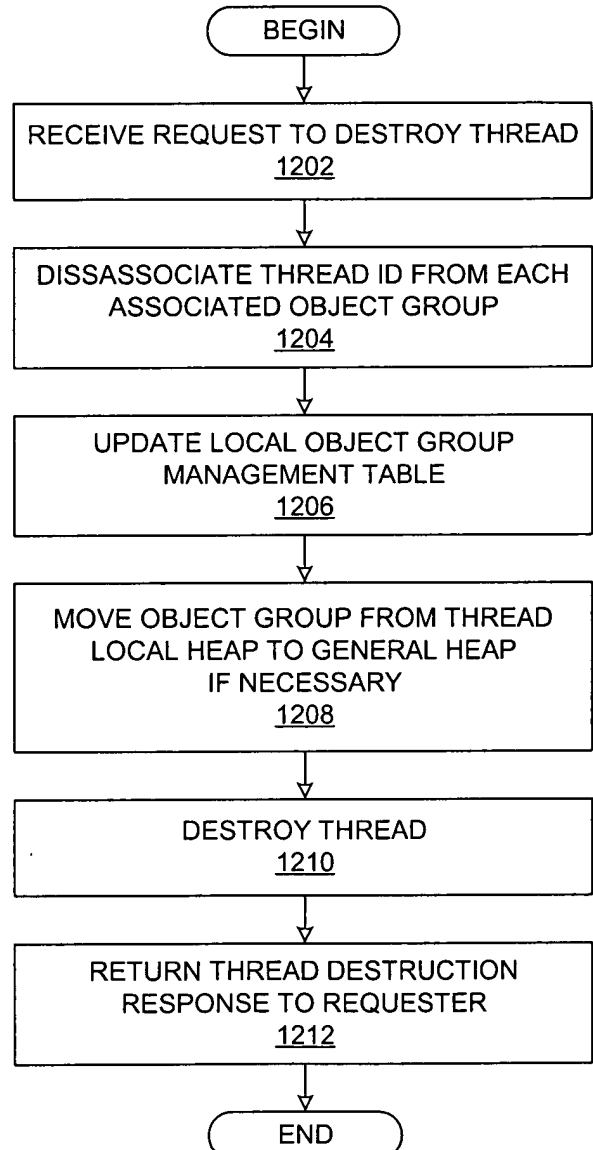


FIG. 11

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## OBJECT ALLOCATION IN gJVM NODE

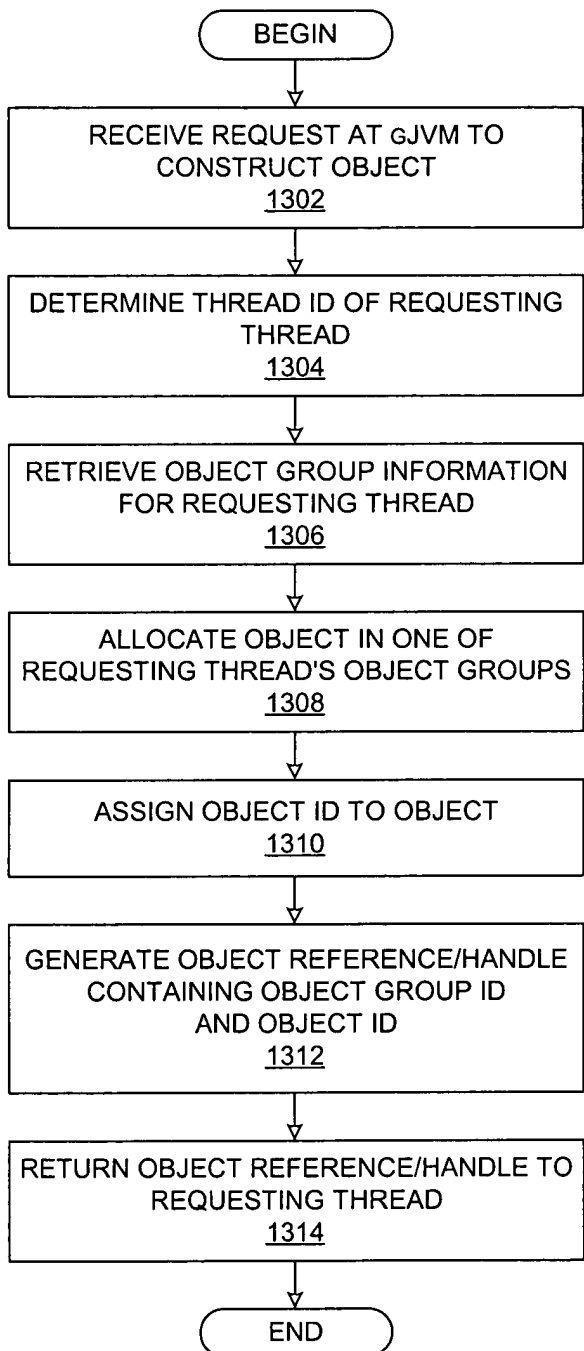


FIG. 13

## OBJECT REFERENCING IN gJVM NODE

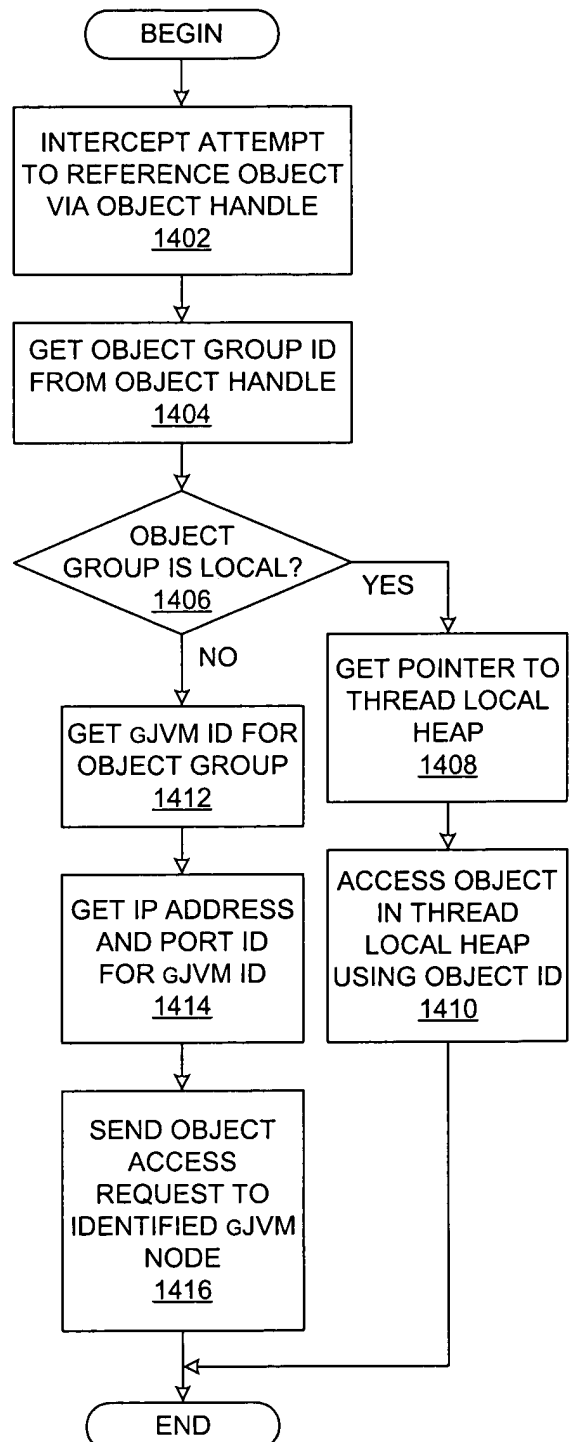


FIG. 14

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## MIGRATION OF OBJECT GROUP FROM gJVM

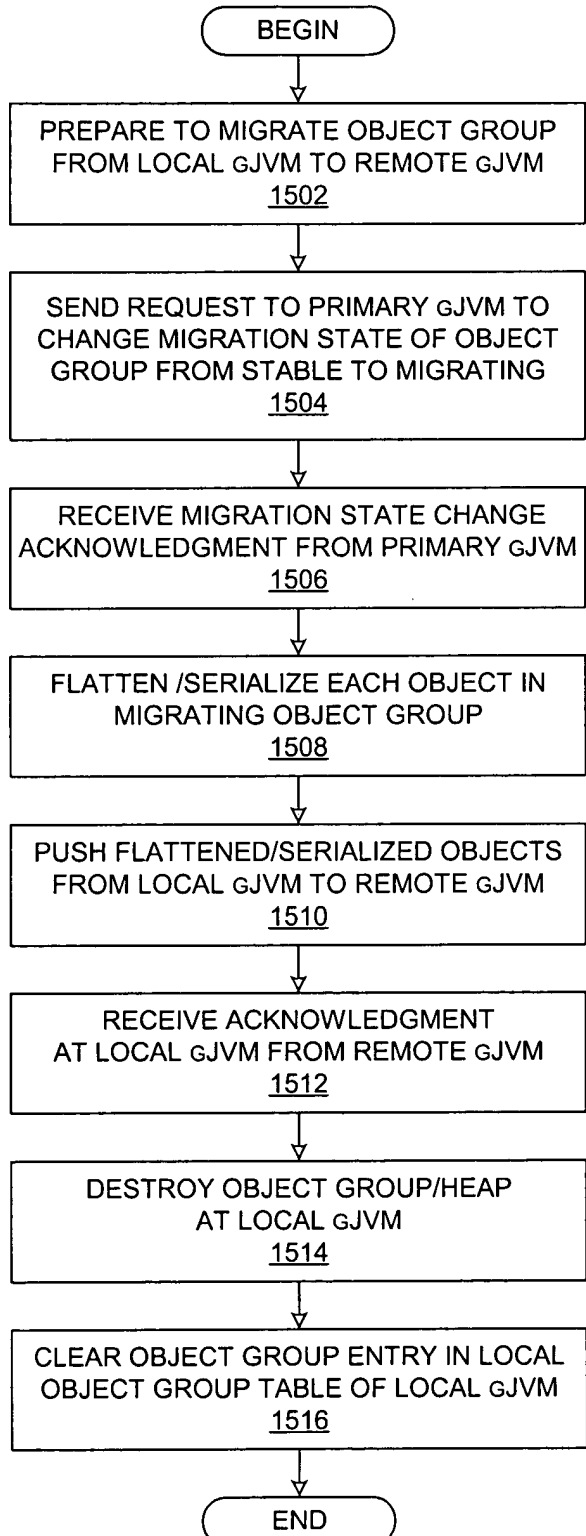


FIG. 15

## MIGRATION OF OBJECT GROUP TO gJVM

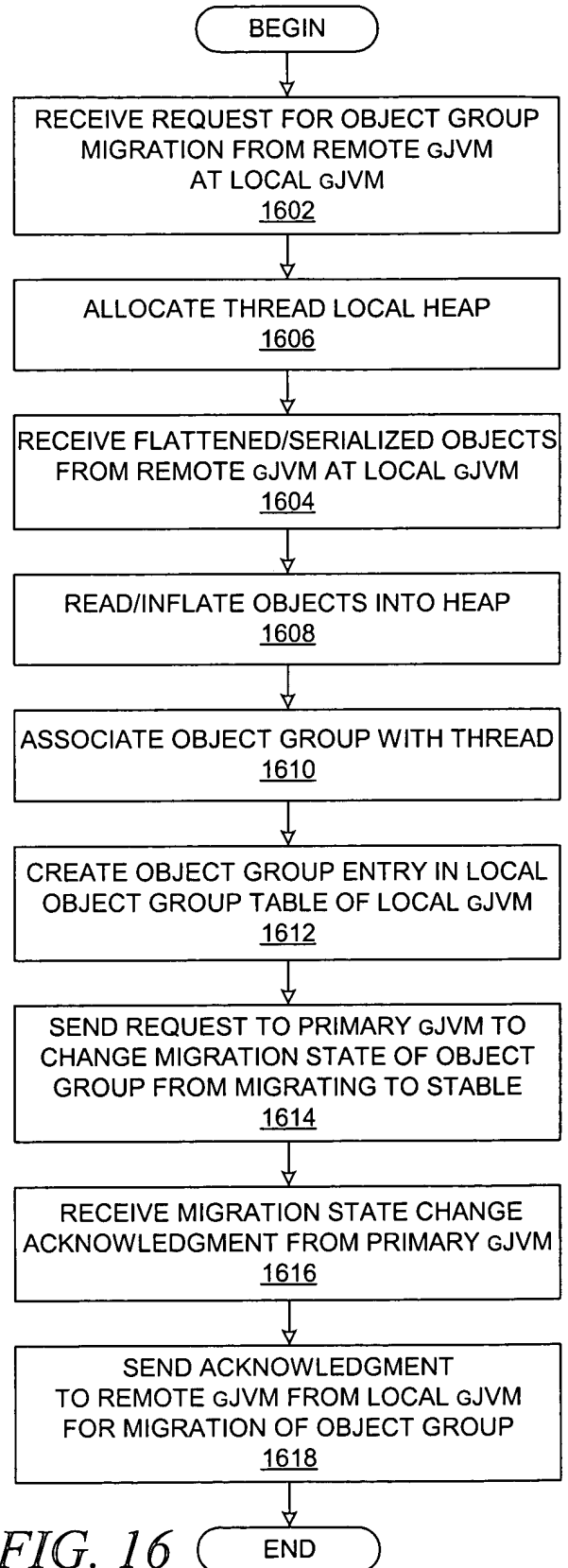


FIG. 16

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## MIGRATION OF THREAD FROM gJVM

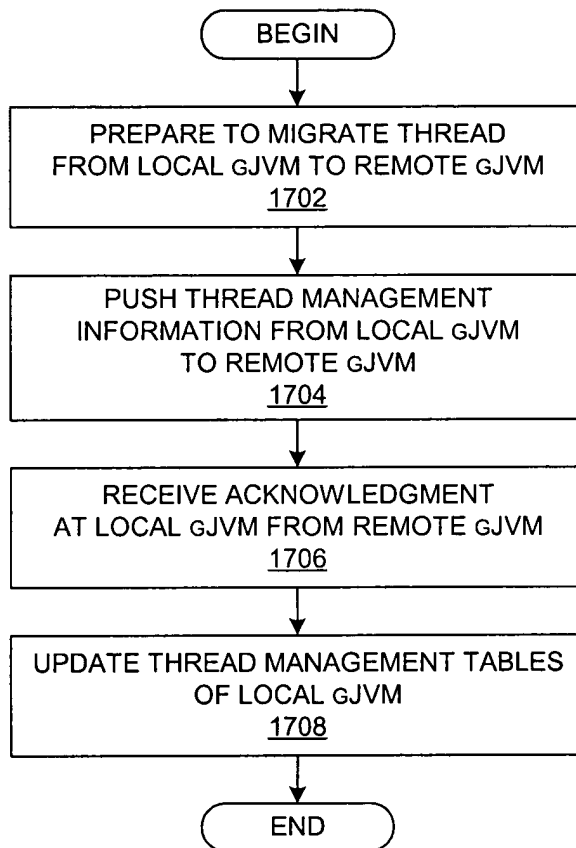


FIG. 17

## MIGRATION OF THREAD TO gJVM

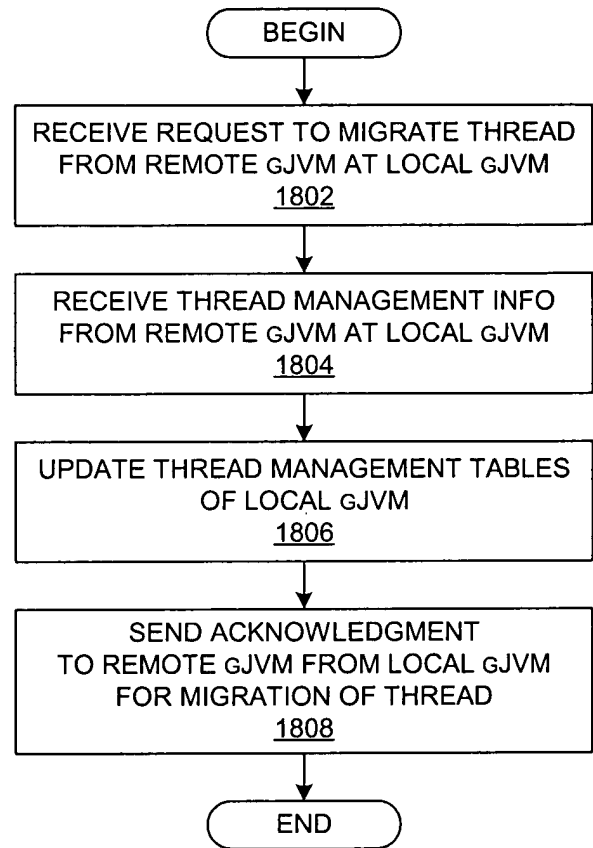


FIG. 18

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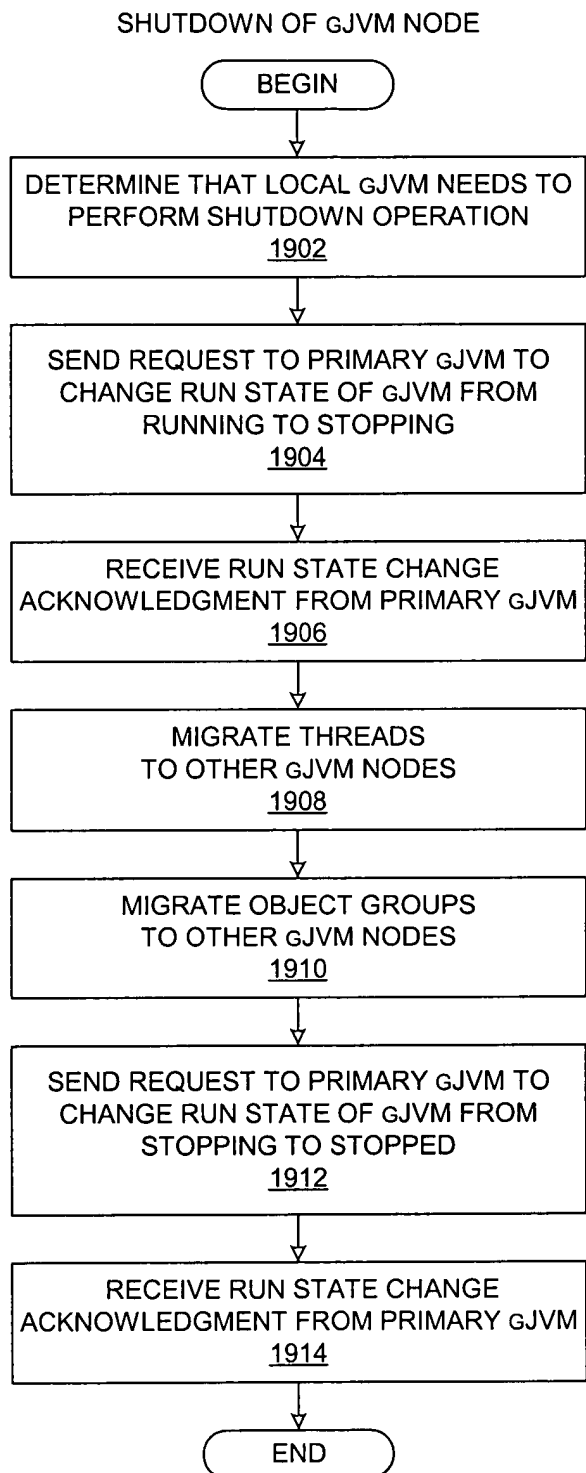


FIG. 19

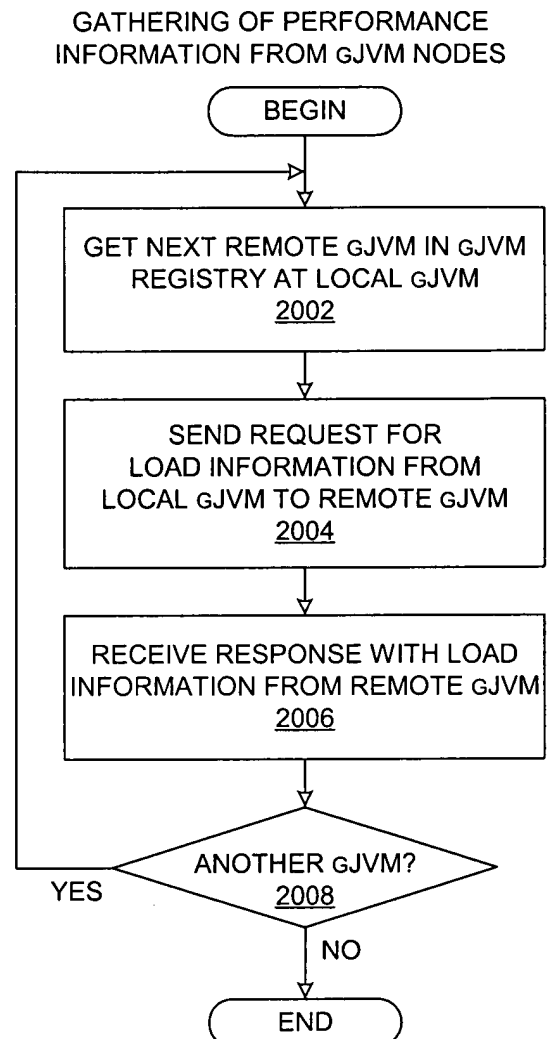


FIG. 20

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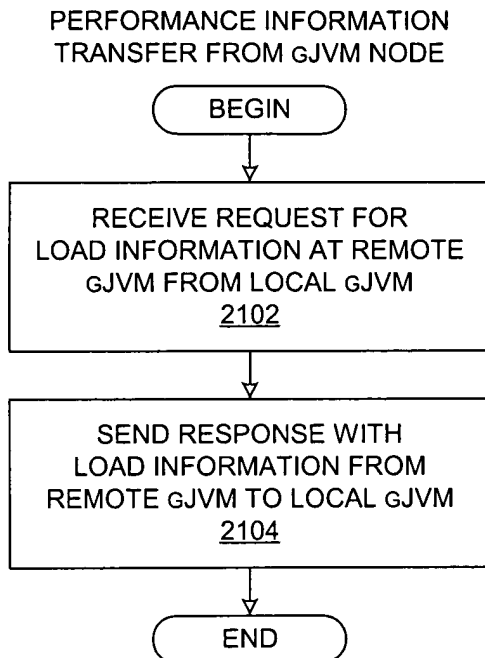


FIG. 21

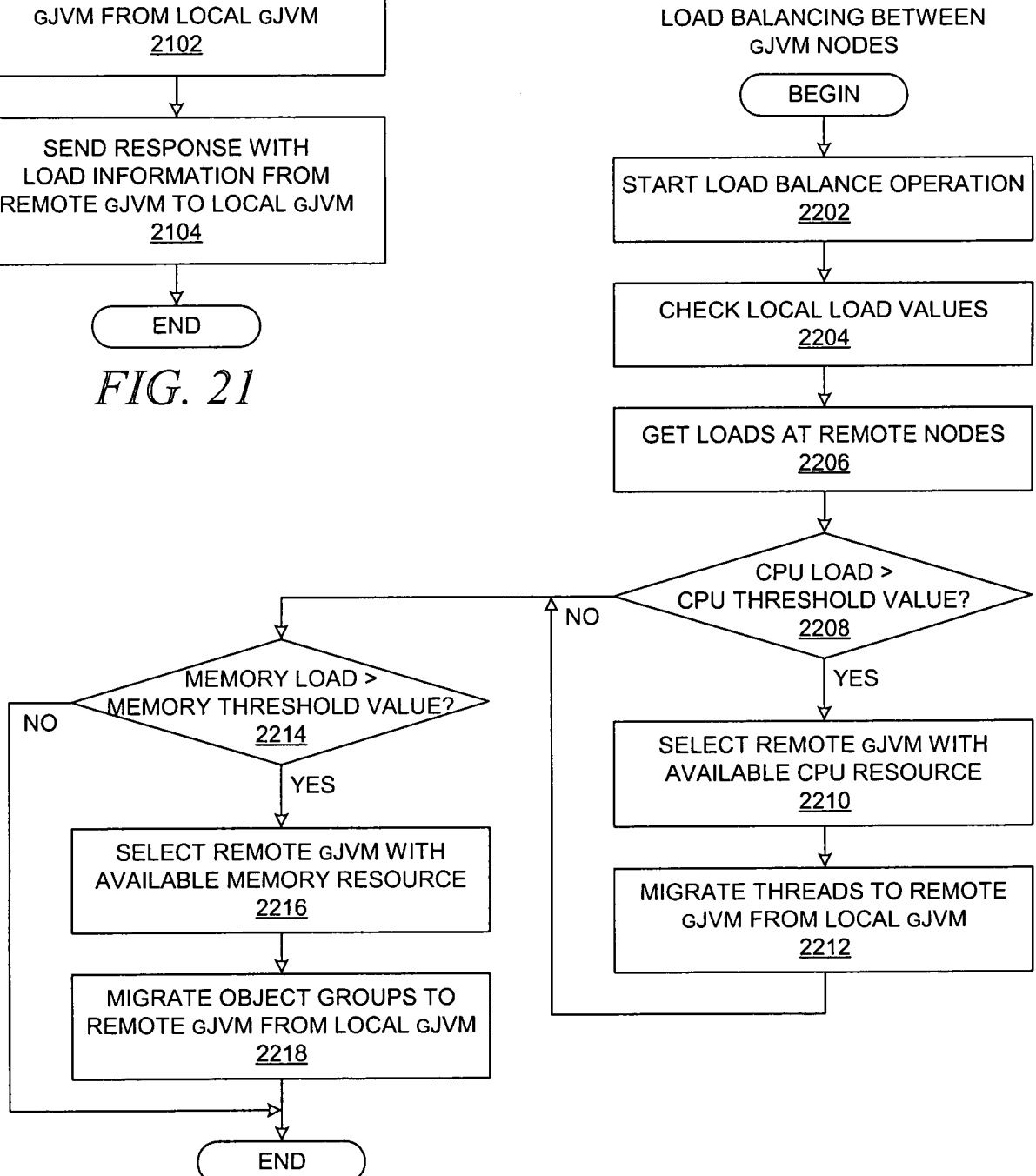


FIG. 22

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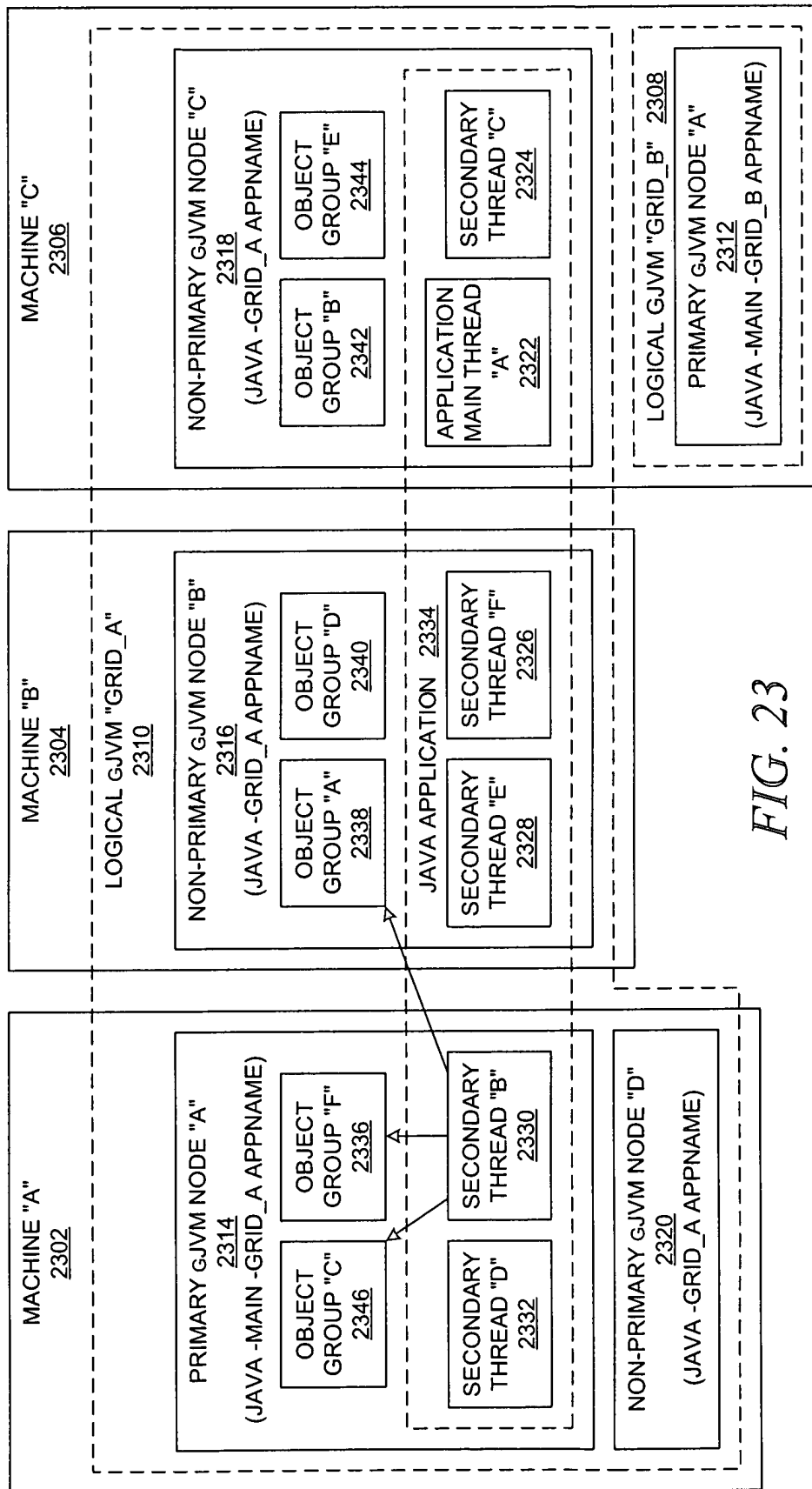


FIG. 23